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Abstract

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Storage capacitor 4 is charged from the power unit 1 through the primary coil of a **transformer** 2 and a thyristor 3. The efficiency of the charging circuit is increased by adding an auxiliary commutating circuit which consists of a capacitor 6 and a thyristor 7 shunted by a diode 8. The auxiliary commutating circuit is connected in parallel with the secondary winding of the **transformer** and in series with a diode 5. Both thyristors are switched by a control module 9. The accuracy of the stabilisation of the storage capacitor voltage depends only on the performance of the control module.

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